the result of insect agency? You will notice that each petal or sepal that is colored is divided into two tints by the mid-rib.

PROVIDENCE, *June* 5th. W. W. BAILEY.

§ **33. Apocynum—No. 5.**—I hope some of those who meet with *A. androsæmifolium* this summer will make a microscopical examination of the buds to determine, if possible, the origin of the glands. Schleiden, in his *Botanik*, 1849, has already pointed out the true stigmatic portion of the style, of which he gives a drawing, and also of the glands, *p.* 494. He does not, however, seem to recognize the dual nature of the latter. In his view the stamen is attached to the style by a secretion of viscine from a tuft of hairs at the top of the filament, and, if I rightly apprehend him, the diaphragm is ~~but~~ the extension of the epidermis of the upper part of the style, upon which epidermis the gland lies, so that he recognizes the gland as distinct from the styles, and, indeed, supposes that, in Asclepiadaceæ, the glands originally pertained to the anthers, *ibid.* It will thus be seen that his observations in part anticipate my own. I did not meet with his notice of this plant till after I had published my notes on the same subject.

Schleiden also recognizes that the flower cannot fertilize itself, though he seems not to have known the *modus operandi* Dr. Darwin, in the Botanic Garden, a work which might almost be called a necessary introduction to the writings of his distinguished grandson, gives an outside report of the manner in which the anthers entrap flies, *Vol. II., p.* 241, as does also Rafinesque in his Medical Botany. I understand that Mr. C. F. Wheeler of Hubbardston, Mich., was fortunate enough last summer frequently to find insects, including some *Lepidoptera*, entrapped by this plant. W. H. L.

§ **34. New Localities.**—Last spring we found the Trailing Arbutus (**Epigæa repens**) in the wood bordering the southern shore of the mouth of the Croton River, being the first specimens found in this region. DR. C. J. FISHER.

SING SING.

Some years ago Prof. Thurber found **Fedia olitoria**, Vahl, at St. Ronan's Well, near Flushing.—Mr. Miller discovered last year at Wading River, in a barley field, a patch of *Matricaria inodora*, L.—I have found this season **Ranunculus multifidus**, Pursh with **Amianthium**, west of Hackensack, and **Cynthia Virginica**, Don, near Huguenot Station on the Staten Island R. R. W. H. L.

LILIUM, L.—**L. Philadelphicum**, L.; N. Y.; Closter, common; *Austin;* Westchester Co.; Bergen Point; Chatham, N. J.; —**L. Canadense**, L.; Hoboken, *Torr. Cat.;* Closter, common, *Austin;* Chatham, N. J.; Glen Cove, *Coles;* Westchester Co. —**L. superbum**, L.; Glen Cove, *Coles;* Astoria; Staten Island; Carlstadt; New Durham, and Orange Co. &c, not near Closter, *Austin.*

ERYTHRONIUM, L.—**E. Americanm** Smith; common; N. Y.

ORNITHOGALUM, Tourn.—**O. umbellatum**, L.; Striker's Bay, *Ruger;* Inwood, *Le Roy;* Closter and Tappan, *Austin;* Yonkers, *Pooley;* abundant on Long Island, in the neighborhood of Newtown, Flatbush, &c., and on Staten Island.